Book review
Conceptualizing, Designing, Implementing, and Evaluating Writing Interventions

Reviewed by: *Wren Bouwman (Iowa State University)*

Introduction

Conceptualizing, Designing, Implementing, and Evaluating Writing Interventions, edited by Fien De Smedt, Renske Bouwer, Teresa Limpo, and Steve Graham, emerges as a comprehensive guide for researchers navigating the many steps to developing a writing intervention. Writing interventions are changes to a writer's traditional approach which are meant to improve a writer's cognitive processes in order to become a more skilled writer. These interventions are often implemented in classrooms, from primary schools to post-secondary education. This volume offers a start-to-finish overview of the intervention research process. The structure mirrors its title, dividing its contents into four crucial stages of intervention research. These stages are grounded in previous volumes on writing intervention research in the Brill Studies in Writing Series, which provide insight into how writing interventions have changed over the years and demonstrate a pattern of research design. Additionally, the need for a shared framework is emphasized through both reports from the National Commission on Writing (2004) and influential writing models by Graham (2018a, 2018b) and Hayes (2012), which recognize the significance of motivational factors in writing.

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This organizational approach provides readers with a clear roadmap for developing and studying writing interventions, from initial conceptualization to final evaluation. What sets this work apart is its emphasis on practical, implementable interventions that bridge the often wide gap between rigorous experimental studies and the realities of classroom application. Aimed primarily at writing researchers in linguistics and cognitive psychology, the book presents a collection of case studies, meta-analyses, and literature reviews. These not only highlight key considerations for each stage of intervention research but also shed light on major challenges and gaps in the field. While the text assumes some familiarity with writing classrooms and research methodologies, it offers valuable insights for seasoned researchers and those newer to the field. By providing a framework for approaching research design and inspiring innovation, *Conceptualizing, Designing, Implementing, and Evaluating Writing Interventions* provides new and veteran researchers with a framework for approaching research design and new ideas for innovating the field.

Contents

Chapter 1 introduces the aims of the book, emphasizing the need for a set of shared guidelines for writing intervention research across the various educational contexts in which it is applied. The authors overview the four steps of conducting writing intervention research, which align with the four sections into which the book is divided.

Part 1, titled *Conceptualizing a Writing Intervention*, is a single chapter authored by Steven Graham that overviews the history of writing research and the benefits of conducting meta-analyses. Graham highlights the importance of experimental studies, which have a control group alongside the experimental group, and of communicating the findings of those studies to educators.

Part 2, titled *Designing High-Quality Interventions Research in Writing*, consists of Chapters 3–5 and provides different approaches for designing writing interventions based on research goals and circumstances. Chapter 3 recommends a four-step, principled approach to designing an intervention and a method for systematically reporting findings within the limited space of research articles. Chapter 4 then uses that principled approach to research design to describe a method specifically for large-scale writing interventions, emphasizing identifying a target population and determining the number of participants needed for statistical power. In contrast, Chapter 5 offers a method for single-participant design wherein just one student receives an intervention. It overviews several approaches to single-participant design, such as alternating between receiving the baseline condition and the intervention (ABAB). It evaluates the trends in previous single-participant writing research to motivate future research.

Part 3, titled *Implementing Writing Interventions in Authentic Classroom Contexts*, comprises Chapters 6–9 and evaluates common methods, challenges, and changes in implementing writing interventions. Chapter 6 begins this section with a review of research regarding professional development (PD) for writing strategy instruction, emphasizing that this is a core component of designing writing intervention research. One of the most important findings of this review was that teacher-led instruction after PD yielded significant writing outcomes among students, emphasizing the importance of involving instructors in writing intervention research. Chapter 7 builds on this claim by examining a use case of implementing interventions in classrooms that focus on interventions centered around teachers at every stage of the research process. With the importance of instructor involvement established, Chapter 8 offers methods of evaluating the fidelity of writing intervention implementation in classroom-centered research. Finally, Chapter 9 focuses on evaluating the implementation of writing interventions in students with learning difficulties through the Response to Intervention (RTI) model.

Part 4, titled *Evaluating the Effectiveness of Writing Interventions*, concludes the book by establishing guidelines and recommending methods for evaluating writing interventions through a variety of means. Chapter 10 proposes guidelines for validating writing assessments and how to design writing interventions with validity in mind, Chapters 11–13 inspect different methods for evaluating the effectiveness of writing intervention outcomes. Chapter 11 considers process data in two ways: first, as input to guide an intervention, and second, as output being changed by the intervention. Chapter 12 reviews studies that measured student motivation through various methods, such as using pre- and post-tests, interviews, and questionnaires. Chapter 13 emphasizes the importance of qualitative and mixed-method evaluations alongside quantitative analysis to shape a more robust view of writing interventions. Complementing this approach, Chapter 14 provides a step-by-step method for modeling writing intervention outcomes, highlighting the importance of ordering variables and carefully considering variable nests when implementing interventions in the chaos of real classrooms. Finally, the volume ends with a summative chapter that highlights common threads within the volume and areas of future research in writing interventions.

Final remarks

Conceptualizing, Designing, Implementing, and Evaluating Writing Interventions is a comprehensive and versatile guide for writing researchers. Its start-to-finish approach provides a valuable roadmap for researchers at various stages of their careers. The volume's strength lies in its inclusive treatment of diverse research

methodologies and its emphasis on practical, classroom-oriented interventions prioritizing teacher involvement.

This book's holistic approach to writing intervention research is a significant strength. By covering the entire process from conceptualization to evaluation, it offers researchers a complete toolkit for designing and conducting studies. This comprehensive coverage allows readers to understand the interconnectedness of each stage in the research process, fostering a more integrated approach to writing interventions. The authors reference and build upon the frameworks established in other chapters in the book, highlighting a unified approach to research design and demonstrating a level of thoroughness by the editors.

Another key strength of this volume is its emphasis on the importance of teacher involvement and classroom applicability in writing interventions. This focus is particularly evident in Part 3, which explores implementing writing interventions in authentic classroom contexts. The book bridges the often-wide gap between research and practice by highlighting the significance of professional development for writing strategy instruction and demonstrating how teacher-led instruction can yield significant writing outcomes among students. This approach not only enhances the practical value of the interventions but also promotes a more collaborative relationship between researchers and educators, potentially leading to more effective and sustainable writing interventions.

A final notable strength is the book's emphasis on diverse research methodologies and contexts. By presenting a range of approaches, from large-scale quantitative research to single-participant case studies and qualitative methods, the volume acknowledges the complexity of writing research and the need for varied approaches. This inclusivity is particularly evident in Chapter 5, which offers insight into single-participant design, and in the contrast between Chapters 13 and 14, which juxtapose the importance of using qualitative research to paint a more complete picture of data with the benefits of complex modeling to demonstrate effect. This multi-faceted perspective not only enriches the reader's understanding but also encourages innovative thinking in research design and implementation.

While the book offers a comprehensive overview of writing intervention research, there is potential for further exploration in the initial conceptualization phase. The "conceptualizing" section provides an excellent literature review, laying a solid foundation for understanding the field. However, readers might benefit from additional insights into the motivations behind interventions and how these rationales guide the design process. Expanding this section with more specific case studies, mirroring the approach in later chapters, could further strengthen the book's utility for researchers initiating new projects. This addition would complement the existing content and potentially enhance the volume's value, particularly for those new to the field who are in the early stages of developing their intervention concepts.

In addition to benefitting from more description of the conceptualization stage, some definition of scope could have also enhanced this book. While most chapters were broadly applicable to any group of writers and classroom context, a few chapters are narrowly focused on K–12 classrooms or writers with learning disabilities. The methods described in the sections, such as the Response to Intervention framework outlined in Chapter 9, are well-described and could be applied outside the given context, but the narrow focus on a particular learner group still feels out of place in the context of the other, broader chapters. Examples of these methods being applied in other contexts could have helped these chapters match the aims of the volume more fully and meet the tone of neighboring chapters.

Despite these areas for potential expansion, *Conceptualizing, Designing, Implementing, and Evaluating Writing Interventions* stands as a valuable contribution to the field of writing research. Its comprehensive coverage, diverse perspectives, and emphasis on classroom applicability make it an essential resource for writing researchers. While readers may need to supplement the sometimes broad scope with research-specific information, the book successfully provides a solid foundation for understanding and conducting writing intervention research. It serves as both a practical guide and a catalyst for innovation in the field, likely to inspire and inform future research endeavors in writing interventions.

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